

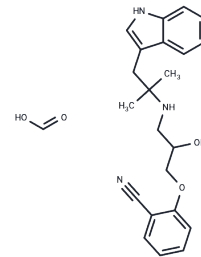
Bucindolol Formate

Chemical Properties

CAS No. :

Formula: C₂₃H₂₇N₃O₄

Molecular Weight: 409.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Bucindolol Formate is a blocker of β_1 -adrenergic receptor. Bucindolol exhibits intrinsic sympathomimetic activity. Bucindolol can be used in the research of heart failure.
Targets(IC50)	Adrenergic Receptor
In vitro	In transfected cells, bucindolol antagonized agonist-stimulated cAMP, with a greater absolute decrease observed for Arg-389 (435 +/- 80 vs. 115 +/- 23 fmol per well) [1].

Solubility Information

Solubility	DMSO: 250 mg/mL (610.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4421 mL	12.2106 mL	24.4212 mL
5 mM	0.4884 mL	2.4421 mL	4.8842 mL
10 mM	0.2442 mL	1.2211 mL	2.4421 mL
50 mM	0.0488 mL	0.2442 mL	0.4884 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Stephen B Liggett, et al. A polymorphism within a conserved beta(1)-adrenergic receptor motif alters cardiac function and beta-blocker response in human heart failure. Proc Natl Acad Sci U S A. 2006 Jul 25;103(30):11288-93.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481